a first database that stores information about one or more compounds including said target compound; and

a second database that stores information about a plurality of compounds,

wherein said chemical similarity join combines a compound from said first database with a compound from said second database based on whether the level of similarity between the compound from the first database and the compound from the second database is within said neighborhood range; and

providing results of said chemical similarity join to the user.

10. (Twice amended) A computer-based method for retrieving information that is based upon at least one similarity among entities in a plurality of databases, the method comprising:

identifying a target item, wherein a first of the database includes a row that identifies the target item;

using a computer to perform a fuzzy similarity join on the first database and a second database to correlate rows of the first and second databases that have similar properties; and

retrieving at least one item from the result of the join, wherein the retrieved item comprises at least one item having a property similar to a property of the target item.

23. (Amended) A computer-based method for identifying, from a first database comprising chemical compounds, at least one chemical compound having at least one property similar to a target chemical compound, the method comprising:

identifying a property of a target chemical compound; and

using a computer to perform a chemical similarity join on the first database and a second database that includes the target compound to identify at least one database chemical compound in the first database that has a property similar to the property of the target chemical compound.